QUALITY FRESH SEMEN OF RAMBON BANYUWANGI CATTLE DILUENTS BY YOLK TRIS AND YOLK SKIM MILK

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ABSTRACT

The aim of the research was to determine the quality of Rambon Bull semen using two different diluents (yolk tris and yolk skim milk). The Completely Randomized Design (CRD) was used these research. This study was using one Rambon Bull for semen collection. Semen was collected for nine times and then divided into two different diluentss; PI = Semen + Yolk Tris and P2 = Semen + Yolk Skim Milk. Parameter measured in this study was motility, viability, and abnormality of the sperms. Each parameter at each different diluents was compared using T-test (*t-independent sample*). The result of this study showed that P1 was more able to maintain the motility and viability of the sperms of Rambon Bull in comparison to P2, where as the sperms motility using yolk tris was 67.22 ± 4.41% with a 3-speed and using yolk skim milk was 59.44 ± 8.46% with a 2-speed, there was significant difference ($p<0.05$). Viability of the sperms, the viable percentage using yolk tris was 77.44 ± 3.21% and yolk skim milk was 73.56 ± 3.32%, there was significant difference ($p<0.05$). There was no significant difference in sperms abnormality of Rambon Bull fresh semen in both extenders, whereas the value of each diluentss to primary abnormalities was 0.33 ± 0.50% in yolk tris and 0,22± 0.44% in yolk skim, for secondary abnormalities was 8.33 ± 2.17% in yolk tris and 7,56±2.24% in yolk skim milk. It can be concluded that the media diluent yolk tris and skim milk egg yolk feasible to use Artificial Insemination (AI) with fresh semen.

Keywords: yolk Tris, egg yolk skim milk, Rambon Bull, Fresh Semen, Semen Quality.